

Report of Survey for Repairs, &c., of Engines and Boilers.

No. 12111 Date of Writing Report 25th March 1893 Port of Glasgow
No. in Reg. Book 62 Survey held at Glasgow Date, first Survey 1st March Last Survey 21 March 1893
on the Machinery of the S.S. Minerva Master Slack No. of Visits 6
Tonnage Gross 678 Net 399 Vessel built at Newcastle By whom Palmers Bros & Co When 1862-1
Registered Horse Power 90 Engines made at When -77 Boilers, when made (Main) -77 (Donkey) -90
No. of Main Boilers 2 Owners Palmer & Murphy & Co Port London Voyage Coastwise
Steam Pressure in Main Boilers 65 lbs If Surveyed Afloat or in Dry Dock (State name of Dock) London
in Donkey Boiler 80 Class of Vessel & Machinery 95A1
Last Survey No. 157 (Port) Dub (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.) 154 9.3.88
- 154 9.3.88 - 154 9.3.88 - 154 9.3.88

Particulars of Examination and Repairs (if any) Annual Boilers
(State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs.) Repairs on account of Damage should be separated from
Repairs due to other causes. State also the dates and initials of any letters respecting this case. **LM.C. 4-92**
Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? **Yes**
Do. " Donkey " " " **No - No survey required**
If this was not done, state for what reasons? **Yes**
What parts of the Boilers could not be thus thoroughly examined? **Yes**
What special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? **65 lbs**
Did the Surveyor examine the Safety Valves of the Main Boiler? **Yes**
To what pressure were they afterwards adjusted? **65 lbs**

Examined two main boilers. Both found in good condition generally. Several nuts, and four screwed stays to combustion chamber backs renewed; also a defective part of combustion chamber back plate in Port Boiler cut out, and patch fitted. Two new condensers tube plates fitted, and tubes re-packed. A new crank shaft has been fitted in place of the old one which was defective. - Forging Report appended. Steam raised in the main boilers, and their safety valves tested.

General Observations, Opinion, and Recommendation: - This vessels machinery is as far as seen, is in my opinion, in safe working condition, and eligible to have record **B.S. 3-93** in the Register Book.

Fee or Registration Fee (per Sec. 27) £ : : Fees applied for 25/3/1893
Survey Fee (per Section 28) £ 2 : : :
Special Damage Fee (per Section 29) £ : : :
Travelling Expenses (if chargeable) £ : : :
Date if Certificate is required

Committee's Minute TUES. 4 APR 1893
Assigned **B.S. 3, 93**
Note non-limit
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It is submitted that
this vessel is eligible for
THE RECORD

BS 3.93

12111 84

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the defective
cranks kept, the limit-
on the would have exposed
in July most has been
renamed - other words
name should be
exchanged from the
limited list -
on account of wear &
tear, repairs of moderate
extent have been
done to the main
boilers -
209 30/3/93-



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